IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for assigning pseudorandom number offsets of a synchronized timing system to sectors of communication cells associated with base stations in a communications network comprising the steps of:

determining a minimum delay offset between pseudorandom number offsets that will avoid signal collision when the pseudorandom number offsets are assigned to adjacent sectors of the same base station cell;

applying delay offsets of no less than the minimum delay offset and no more than two offsets greater than the minimum delay offset between pseudorandom number offsets assigned to adjacent sectors of the same base station cell; and

applying varied delay offsets between pseudorandom number offsets assigned to sectors of different base station cells.

2. (Currently amended) The method of claim 1 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least two (2) offsets and no more than four (4) offsets between pseudorandom number offsets assigned to sectors of the same cell.

3. (Currently amended) The method of claim 1 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least three (3) offsets and no more than four (4) offsets between pseudorandom number offsets assigned to adjacent sectors of the same cell.

4. (Cancelled)

5. (Currently amended) The method of claim 1 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least two (2) offsets and no more than three (3) offsets between pseudorandom number offsets assigned to sectors of the same cell.

6. (Previously presented) The method of claim 1 and further comprising the step of:

applying a varied delay offset of more than the minimum delay offset between pseudorandom number offsets assigned to sectors of different cells when the different cells are within five cells of each other.

7. (Currently amended) The method of claim 6 and further comprising the step of:

applying a varied delay offset of at least [[10]] ten (10) offsets between pseudorandom number offsets assigned to sectors of different cells when the different cells are within five cells of each other.

8. (Currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least two (2) offsets and no more than four (4) offsets between pseudorandom number offsets assigned to adjacent sectors of the same cell.

9. (Currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least three (3) offsets and no more than four (4) offsets between pseudorandom number offsets assigned to adjacent sectors of the same cell.

10. (Cancelled)

11. (Currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2) offsets; and

applying a delay offset of at least two (2) offsets and no more than three (3) offsets between pseudorandom number offsets assigned to adjacent sectors of the same cell.

12. (Previously presented) The method of claim 1, and further comprising the step of:

assigning the pseudorandom number offsets to the sectors in a 25 spatial reuse pattern.

13. (Currently amended) A network of communication cells having sectors assigned with pseudorandom number offsets of a synchronized timing system, comprising:

the pseudorandom number offsets that are assigned to adjacent sectors of the same cell having no less than a minimum delay offset therebetween to avoid signal collision and no more than two offsets greater than the minimum delay offset; and

the pseudorandom number offsets that are assigned to sectors of different cells having varied delay offsets therebetween.

14. (Previously presented) The network of claim 13 and further comprising:

the pseudorandom number offsets that are assigned to adjacent sectors of the same cell being applied with the minimum delay offsets therebetween.

15. (Currently amended) The network of claim 14 and further comprising:

the minimum delay offset is two (2) offsets.

16. (Previously presented) The network of claim 13 and further comprising:

the pseudorandom number offsets that are assigned to adjacent sectors of the same cell being applied with delay offsets therebetween of more than the minimum delay offset.

17. (Currently amended) The network of claim 16 and further comprising:

the minimum delay offset is two (2) offsets; and

the pseudorandom number offsets that are assigned to adjacent sectors of the same cell being applied with delay offsets therebetween of between two (2) offsets and four (4) offsets.

18. (Previously presented) The network of claim 16 and further comprising:

the pseudorandom number offsets assigned to sectors of different cells being applied with varied delay offsets that are more that the minimum delay offset when the different cells are within five cells of each other.

19. (Previously presented) The network of claim 18 wherein each of the varied delay offsets is ten (10).

20. (Previously presented) The network of claim 16 and further comprising:

the pseudorandom number offsets are assigned to sectors in a 25 spatial reuse pattern.